

## Product datasheet

# Anti-TSH antibody [10C7] ab6071

### 1 References

#### Overview

<b>Product name</b>	Anti-TSH antibody [10C7]
<b>Description</b>	Mouse monoclonal [10C7] to TSH
<b>Specificity</b>	This antibody does not cross-react with human LH, FSH, HCG.
<b>Tested applications</b>	<b>Suitable for:</b> Indirect ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Full length native protein (purified) corresponding to TSH. Full length native protein (purified) from human pituitary gland.

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.1% Sodium Azide Constituents: PBS, pH 7.4
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Purity is tested by electrophoresis.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	10C7
<b>Myeloma</b>	Sp2/0
<b>Isotype</b>	IgG1

#### Applications

Our [Abpromise guarantee](#) covers the use of **ab6071** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Indirect ELISA		Use at an assay dependent concentration.

## Target

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### Relevance

Thyroid stimulating hormone, also known as thyrotropin, is secreted from cells in the anterior pituitary called thyrotrophs, binds its receptors on epithelial cells in the thyroid gland, and stimulates that gland to synthesize and release thyroid hormones. TSH is a glycoprotein hormone composed of two subunits which are non covalently bound to one another. The alpha subunit of TSH is also present in two other pituitary glycoprotein hormones, follicle stimulating hormone and luteinizing hormone, and, in primates, in the placental hormone chorionic gonadotropin. Each of these hormones also has a unique beta subunit, which provides receptor specificity. In other words, TSH is composed of alpha subunit bound to the TSH beta subunit, and TSH associates only with its own receptor. Free alpha and beta subunits have essentially no biological activity.

### Cellular localization

Secreted

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